



MATES Computer Science

Senior Capstone Project Bi-Weekly Progress Report

Project Title	Bookish
Team Members	Malia Porter & Caleigh Wlazlowski
Dates Covered by Report	4/22/24 - 5/3/24
Link to Github	https://github.com/caleighwlaz/Bookish

1. Summary of Project

Our project is to create a website for readers to track their reading history, view book and user leaderboards, and possibly get recommendations. The site will allow readers to set goals to reach and add books to their reading list. Users will also be able to keep track of their reading activity and discover new books to read. Through the front-end (Malia), HTML, CSS, and JavaScript will be used to create the website and the design elements. Through the back-end (Caleigh), Python, JavaScript, and MySQL will be used to calculate statistics for each user (such as average pages per book and average pages read per week), manage databases, and allow users to search for books on the website and add them to their lists. The concept of our website is similar to Goodreads with additional features such as book and user leaderboards.

2. Summary of Progress this Period

Caleigh added ten books from each genre into a test table in PostgreSQL, started to filter the main dataset, and switched from PostgreSQL to MySQL. Malia modified the sidebar and nearly finished the front-end for the About Us Page and Login Page.

3. Detailed Progress this Period, separated by Team Member

Malia	Caleigh
<ul style="list-style-type: none">● Updated sidebar<ul style="list-style-type: none">○ fixed positioning○ added a media query so it disappears on larger screens○ added slide-in background effect to links on hover○ centered links● Worked on About Us Page<ul style="list-style-type: none">○ created a main section and two creator cards○ pretty much finished (just have to change format on phones and add photos, links to emails, and detailing)● Worked on Login Page<ul style="list-style-type: none">○ added icons to email and password inputs○ changed "Remember me" checkbox color● Added a shadow effect to the header● Changed the top background to purple on phones● Changed buttons to links that look like buttons● Changed page titles	<ul style="list-style-type: none">● PostgreSQL<ul style="list-style-type: none">○ added 10 books from each genre to a test table in the "Content" tab (which is quicker than rerunning queries to add more rows)○ set every book to the same ISBN number (for now)● started to filter main dataset<ul style="list-style-type: none">○ I tried to add all of the genres into one column, but it would just get messed up when I convert the file to a CSV, so I changed it back and I'll deal with it later.○ I started to delete the repeat book cover files in order to save room, but this is not a priority. I only started doing this because I wanted to try and do something towards the project while waiting for IT John.● researched into using MySQL instead of PostgreSQL<ul style="list-style-type: none">○ because SQLite crashed and won't reinstall○ also, I cannot find much of anything on PostgreSQL and how to connect it to a website or use it to convert an Excel file to a SQL database<ul style="list-style-type: none">■ I found one or two ways, but nothing comes up for Postbird○ much easier to find info on how to use MySQL because it's much more popular● MySQL<ul style="list-style-type: none">○ downloaded on Wednesday (no longer using PostgreSQL)○ created a database and started to work on the test books table

	<p>(I'm doing only 3 books from each genre, so the table will be approximately 100 rows)</p> <ul style="list-style-type: none"> continued working on "Back-End Engineer" career path <ul style="list-style-type: none"> worked on Working with Databases (3 hours)
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Caleigh - PostgreSQL

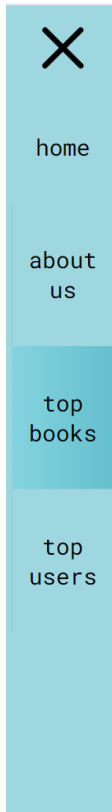
column	type	max length	default	primary key	null	
title	text				yes	Edit Delete
author	text				yes	Edit Delete
isbn	bigint		'9780000000000'::bigint		yes	Edit Delete
genre	text				yes	Edit Delete
img_paths	text				yes	Edit Delete

One Line a Day	Chronicle Books	9780000000000	Crafts-Hobbies	dataset/Crafts-Hobbies/0000005.jpg
Mindset - Updated Edition	Carol Dweck	9780000000000	Business-Finance-Law	dataset/Business-Finance-Law/0000009....
Fantastic Beasts and Where to Find Them	J. K. Rowling	9780000000000	Art-Photography	dataset/Art-Photography/0000001.jpg
Fantastic Beasts: The Crimes of Grindel...	J. K. Rowling	9780000000000	Art-Photography	dataset/Art-Photography/0000003.jpg
The Complete MAUS	Art Spiegelman	9780000000000	Art-Photography	dataset/Art-Photography/0000005.jpg
Humans of New York	Brandon Stanton	9780000000000	Art-Photography	dataset/Art-Photography/0000006.jpg
Ways of Seeing	John Berger	9780000000000	Art-Photography	dataset/Art-Photography/0000007.jpg
Millie Marotta's Animal Kingdom	Millie Marotta	9780000000000	Art-Photography	dataset/Art-Photography/0000008.jpg
The Hare with Amber Eyes	Edmund de Waal	9780000000000	Art-Photography	dataset/Art-Photography/0000009.jpg
Just Kids	Patti Smith	9780000000000	Art-Photography	dataset/Art-Photography/0000011.jpg
Born to Run	Bruce Springsteen	9780000000000	Art-Photography	dataset/Art-Photography/0000012.jpg
Music Theory in Practice, Grade 1	Eric Taylor	9780000000000	Art-Photography	dataset/Art-Photography/0000013.jpg
This is Going to Hurt	Adam Kay	9780000000000	Biography	dataset/Biography/0000001.jpg
Good Night Stories for Rebel Girls	Elena Favilli	9780000000000	Biography	dataset/Biography/0000002.jpg
Becoming	Michelle Obama	9780000000000	Biography	dataset/Biography/0000003.jpg
Educated	Tara Westover	9780000000000	Biography	dataset/Biography/0000004.jpg
When Breath Becomes Air	Paul Kalanithi	9780000000000	Biography	dataset/Biography/0000005.jpg
Lost Connections	Johann Hari	9780000000000	Biography	dataset/Biography/0000006.jpg
Man's Search For Meaning	Viktor E. Frankl	9780000000000	Biography	dataset/Biography/0000007.jpg

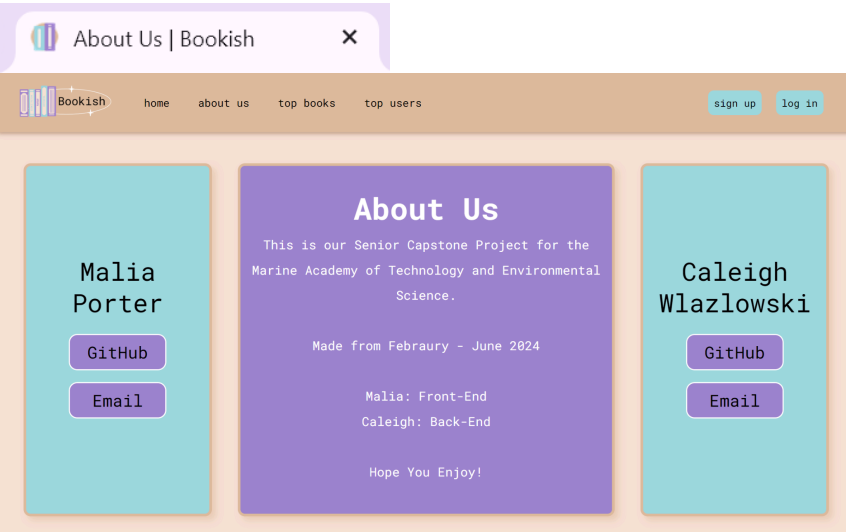
Caleigh - MySQL

	title	author	isbn	genre	img_path	covers
▶	Fantastic Beasts and Where to Find Them	J. K. Rowling	9780000000000	Art-Photography	dataset/Art-Photography/0000001.jpg	1
	Fantastic Beasts: The Crimes of Grindelwald - T...	J. K. Rowling	9780000000000	Art-Photography	dataset/Art-Photography/0000003.jpg	1
	The Complete MAUS	Art Spiegelman	9780000000000	Art-Photography	dataset/Art-Photography/0000005.jpg	1
	This is Going to Hurt	Adam Kay	9780000000000	Biography	dataset/Biography/0000001.jpg	1
	Good Night Stories for Rebel Girls	Elena Favilli	9780000000000	Biography	dataset/Biography/0000002.jpg	1
	Becoming	Michelle Obama	9780000000000	Biography	dataset/Biography/0000003.jpg	1
	The Barefoot Investor	Scott Pape	9780000000000	Business-Finance-Law	dataset/Business-Finance-Law/0000001.jpg	1
	How to Win Friends and Influence People	Dale Carnegie	9780000000000	Business-Finance-Law	dataset/Business-Finance-Law/0000002.jpg	1
	Thinking, Fast and Slow	Daniel Kahneman	9780000000000	Business-Finance-Law	dataset/Business-Finance-Law/0000003.jpg	1
	Dear Zoo	Rod Campbell	9780000000000	Childrens-Books	dataset/Childrens-Books/0000001.jpg	1
	The Very Hungry Caterpillar	Eric Carle	9780000000000	Childrens-Books	dataset/Childrens-Books/0000002.jpg	1
	Where Is the Green Sheep?	Judy Horacek	9780000000000	Childrens-Books	dataset/Childrens-Books/0000003.jpg	1

Malia



```
206   nav {
207     margin: 0;
208     display: flex;
209     flex-direction: column;
210     align-content: center;
211     gap: 0;
212     padding-top: calc($hamburger-height + $hamburger-margin + 2rem);
213     .sidebar-link {
214       width: calc(1.8 * $bar-width);
215       text-align: center;
216       font-size: 2rem;
217       padding: 5vh 1vw;
218       background: linear-gradient(to right, hsl(188, 60%, 70%), hsl(188, 51%, 60%) 50%, blue 50%);
219       background-size: 200% 100%;
220       background-position: -100%;
221       transition: background-position 275ms ease;
222       &:hover {
223         background-position: 0 100%;
224         transition: 0.75s;
225         color: black;
226       }
227     }
228   }
229 }
```

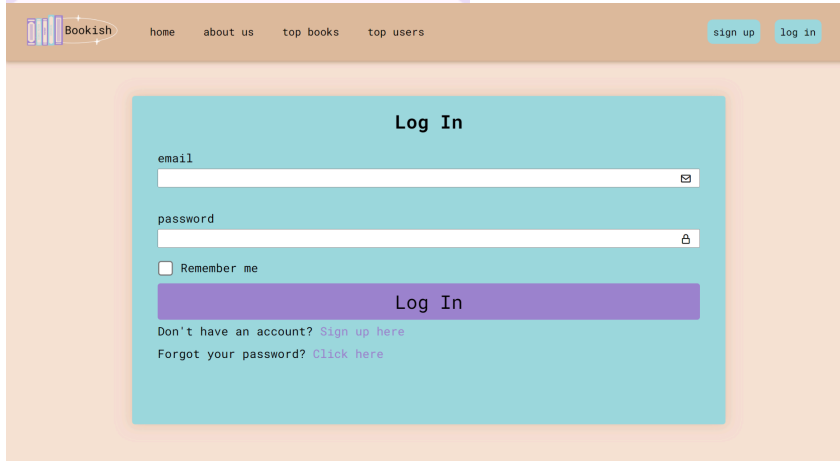
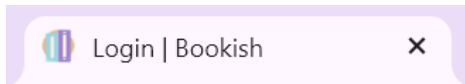


```
65 <main>
66 <h1>About Us</h1>
67 <p>
68   This is our Senior Capstone Project for the Marine Academy of Technology and Environmental Science.
69 <br><br>
70   Made from Febraury - June 2024
71 <br><br>
72   Malia: Front-End
73 <br>
74   Caleigh: Back-End
75 <br><br>
76   Hope You Enjoy!
77 </p>
78 </main>
79 <div class="creator-card" id="malia">
80 <h2>
81   | Malia<br>Porter
82 </h2>
83 <a href="https://github.com/Malia-Porter" class="github" target="_blank">GitHub</a>
84 <a href="#" class="email">Email</a>
85 </div>
86 <div class="creator-card" id="caleigh">
87 <h2>
88   | Caleigh<br>Wlazlowski
89 </h2>
90 <a href="https://github.com/caleighwlaz" class="github" target="_blank">GitHub</a>
91 <a href="#" class="email">Email</a>
92 </div>
```

```
195 main {
196   grid-area: overview;
197   align-self: center;
198   height: 85%;
199   background-color: $purple;
200   border: 0.5rem solid $brown;
201   border-radius: 1.25rem;
202   box-shadow: 0.75rem 0.75rem 1rem 0 hsla(27, 51%, 75%, 0.5);
203   margin: 0 3vw;
204   text-align: center;
205   color: white;
206   font-size: calc(1.25vw + 2vh);
207   line-height: 125%;
208   display: flex;
209   flex-direction: column;
210   justify-content: center;
211   padding: 0 1rem;
212   h1 {
213     font-size: 1.5em;
214     padding-bottom: 2rem;
215   }
216   p {
217     padding-top: 0;
218   }
219 }
```

```
221 .creator-card {
222   &#malia {
223     grid-area: malia;
224     align-self: center;
225     margin-left: 3vw;
226   }
227   &#caleigh {
228     grid-area: caleigh;
229     align-self: center;
230     margin-right: 3vw;
231   }
232   height: 85%;
233   background-color: $blue;
234   border: 0.5rem solid $brown;
235   border-radius: 1.25rem;
236   box-shadow: 0.75rem 0.75rem 1rem 0 hsla(27, 51%, 75%, 0.5);
237   text-align: center;
238   font-size: calc(2vw + 3.5vh);
239   line-height: 4rem;
240   display: flex;
241   flex-direction: column;
242   justify-content: center;
243   h2 {
244     font-size: 0.75em;
245     font-weight: normal;
246     line-height: 125%;
247     margin-bottom: 2vh;
248   }
249 }
250 }
```

```
251 .github,
252 .email {
253   background-color: $purple;
254   border: 0.2rem solid white;
255   border-radius: 1.5rem;
256   padding: 1rem;
257   font-size: 0.5em;
258   margin: 1.25vh 5vw;
259   &:hover {
260     background-color: hsl(262, 50%, 85%);
261     transition: 1s;
262     color: black;
263   }
264 }
```



```

68 <div class="card">
69 <form action="">
70 <h1>Log In</h1>
71 <div class="input-box" id="email-section">
72 <label for="email">email</label>
73 <br>
74 <input type="text" id="email" required>
75 <i class="bx bx-envelope"></i>
76 </div>
77 <div class="input-box" id="password-section">
78 <label for="password">password</label>
79 <br>
80 <input type="password" id="password" required>
81 <i class="bx bx-lock-alt"></i>
82 </div>
83 <div class="remember-me">
84 <input type="checkbox" id="remember">
85 <label for="remember">Remember me</label>
86 </div>
87 <button type="submit">Log In</button>
88 <div class="register-links">
89 <p>Don't have an account? <a href="sign-up.html">Sign up here</a></p>
90 <p>Forgot your password? <a href="#">Click here</a></p>
91 </div>
92 </form>
93 </div>
94 </div>
95 </div>

```

```

194 .card {
195   position: absolute;
196   width: 70%;
197   height: 70%;
198   background-color: $blue;
199   border-radius: 0.5rem;
200   box-shadow: 0 0 2rem 0.5rem hsla(27, 51%, 75%, 0.5);
201   margin-left: auto;
202   margin-right: auto;
203   left: 0;
204   right: 0;
205   top: 20vh;
206   padding: 3vh 3vw;
207   form {
208     display: flex;
209     flex-direction: column;
210     font-size: calc(3vw + 1vh);
211     line-height: 75%;
212     h1 {
213       text-align: center;
214     }
215     button {
216       background-color: $purple;
217       border-radius: 0.5rem;
218       &:hover {
219         background-color: hsl(262, 40%, 55%);
220         transition: 1s;
221       }
222       &:active {
223         text-decoration: underline;
224       }
225     }

```

```

226 p {
227   a {
228     font-size: 1em;
229     color: $purple;
230     &:hover {
231       color: hsl(262, 50%, 80%);
232       transition: 1s;
233     }
234     &:active {
235       text-decoration: underline;
236     }
237   }
238 }
239 .input-box {
240   width: 100%;
241   margin: 1rem 0;
242   position: relative;
243   label {
244     position: relative;
245     top: 1rem;
246   }
247   input {
248     width: 100%;
249     height: 4vh;
250   }
251   i {
252     position: absolute;
253     top: 70%;
254     right: 1.5%;
255   }

```

```

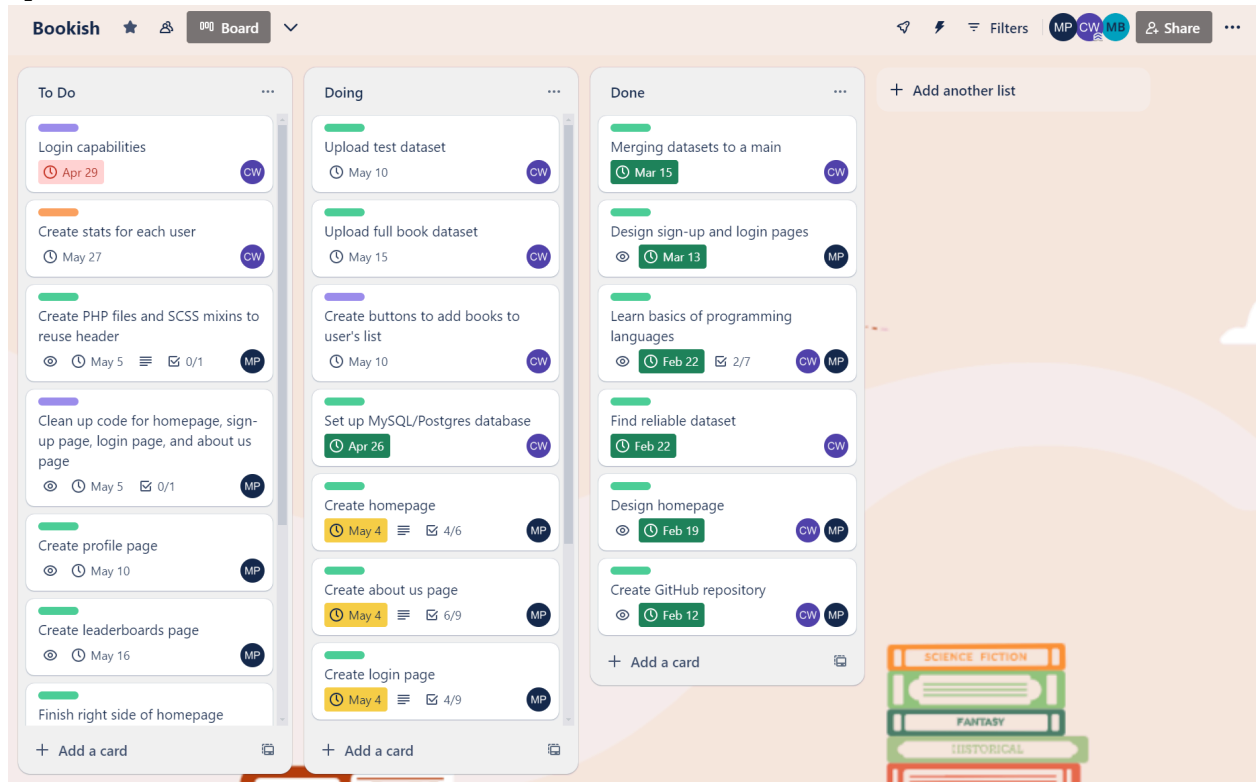
257 .remember-me {
258   accent-color: $purple;
259 }
260 }
261 }
262
263 input[type = checkbox] {
264   transform: scale(2);
265   margin: 2rem 0 2rem 0.5vw;
266 }
267
268 @media (max-width: 1240px) {
269   .nav-link {
270     display: none;
271   }
272   .hamburger-menu {
273     &::before,
274     &::after,
275     input {
276       display: inline;
277     }
278   }
279 }

```

4. Difficulties Encountered this Progress Period

Malia	Caleigh
<ul style="list-style-type: none"> ● Sidebar wouldn't take up the full screen height <ul style="list-style-type: none"> ○ Had to change the positioning to fixed ○ Had to make the hamburger menu positioning fixed when the sidebar was open and absolute when it wasn't ● Difficulty positioning Login Page icons ● A lot of trouble positioning login page to be responsive to different screen sizes (still working on it) 	<ul style="list-style-type: none"> ● PostgreSQL <ul style="list-style-type: none"> ○ crashed a lot on the first day; I had to keep reloading it ○ can only add one row at a time in the "Content" tab ○ new rows would sometimes add to different places in the database, and I don't know why ○ have to use two apostrophes where there is one in a word or it errors out ○ couldn't find anything on how to connect PostgreSQL to a website or how to convert an Excel file into a SQL table.. ● waiting to download MySQL onto the school computer, and there isn't much more than Codecademy I can do because the backend is based off of adding the books to the website <ul style="list-style-type: none"> ○ IT John was able to find me during second block on Wednesday and download MySQL, so I have it now, but I have not gotten to fiddle much with it yet.

5. Updated Trello Board and Discussion



Many dates were pushed back because of technical issues. Goals in **Doing** for Caleigh are Upload test dataset, Upload full book dataset, and Set up MySQL/Postgres database. “Complete README.md file” was moved to **Doing**. Malia has creating the homepage, about us page, and login page in **Doing**.

6. Tasks to Be Worked on in Next Progress Period

Malia	Caleigh
<ul style="list-style-type: none"> Take advantage of SCSS and PHP to reuse code instead of copy and pasting Add final details to current pages and complete sign-up page Start working on Profile page 	<ul style="list-style-type: none"> finish making test book table in MySQL upload test table to website and attempt to format continue to filter the main dataset convert Excel file to SQL table through MySQL upload full dataset to website and continue formatting update README.md file

7. Additional Information